

Title (en)

Apparatus and method for automatically controlling the bidirectional printing position in a serial printer

Title (de)

Gerät und Verfahren zur automatischen Steuerung der Druckposition in einem in zwei Richtungen arbeitenden Seriendrucker

Title (fr)

Appareil et procédé pour contrôler automatiquement la position d'impression bi-directionnelle dans une imprimante sérielle

Publication

EP 0813973 A3 19990512 (EN)

Application

EP 97304283 A 19970618

Priority

KR 19960022584 A 19960620

Abstract (en)

[origin: EP0813973A2] A bidirectional serial printer is described capable of compensating for mechanical errors causing the actual print position to lag behind the estimated position. The position of the printer head is sensed as it is moved in both directions. The position of the printer head is estimated as it is moved in both directions and a mechanical error factor is determined representing the difference between the mechanical error present when the head is moving on one direction and that present when the head is moving in the other direction. In printing, the mechanical errors are compensated by advancing or retarding the firing of the printing head to a degree dependent upon the said mechanical error factors, thus improving the vertical alignment of the printer.

IPC 1-7

B41J 19/20

IPC 8 full level

B41J 5/30 (2006.01); **B41J 19/14** (2006.01); **B41J 19/20** (2006.01)

CPC (source: EP KR US)

B41J 5/30 (2013.01 - KR); **B41J 19/145** (2013.01 - EP US); **B41J 19/202** (2013.01 - EP US); **B41J 19/142** (2013.01 - EP US)

Citation (search report)

- [X] EP 0630750 A2 19941228 - CANON KK [JP]
- [X] PATENT ABSTRACTS OF JAPAN vol. 13, no. 83 (M - 802) 27 February 1989 (1989-02-27)
- [X] PATENT ABSTRACTS OF JAPAN vol. 17, no. 77 (M - 1367) 16 February 1993 (1993-02-16)
- [A] PATENT ABSTRACTS OF JAPAN vol. 17, no. 537 (M - 1487) 28 September 1993 (1993-09-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 95, no. 2 31 March 1995 (1995-03-31)

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0813973 A2 19971229; **EP 0813973 A3 19990512**; **EP 0813973 B1 20030108**; CN 1122203 C 20030924; CN 1169551 A 19980107; DE 69718242 D1 20030213; DE 69718242 T2 20030828; KR 0161821 B1 19990330; KR 980000945 A 19980330; US 6109721 A 20000829

DOCDB simple family (application)

EP 97304283 A 19970618; CN 97105591 A 19970620; DE 69718242 T 19970618; KR 19960022584 A 19960620; US 87985897 A 19970620